Terminal Business Service (ATB)

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Briefing to the Central Region
Regional Management Team
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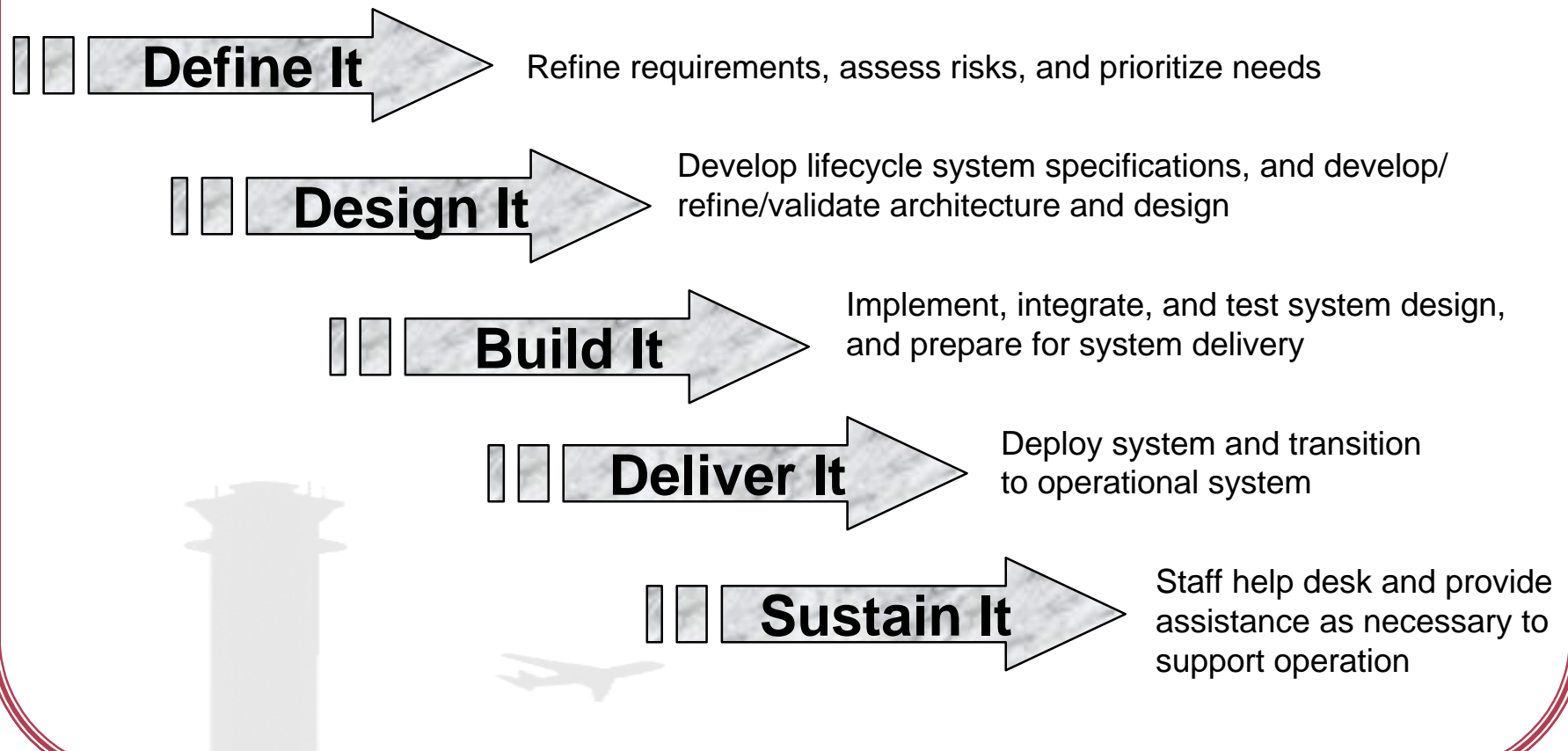
ATB

Scope of ATB

- Initial scope
  - Integrated planning for automation, facilities, and surveillance
  - Execution of terminal automation (ARTS/STARS) and facilities programs (tower/TRACONs)
  - From requirements to second-level maintenance
- Personnel - 300+
- Total integrated budget of close to $1B
  - Combines F&E & Ops

ATB Core Work Processes

(Fundamental work processes to ensure the provision of integrated terminal air traffic control capabilities)

Define It — Refine requirements, assess risks, and prioritize needs

Design It — Develop lifecycle system specifications, and develop/refine/validate architecture and design

Build It — Implement, integrate, and test system design, and prepare for system delivery

Deliver It — Deploy system and transition to operational system

Sustain It — Staff help desk and provide assistance as necessary to support operation

Benefits of ATB

- Acquisition combined with Operations
- Combined budget
- Cradle-to-grave
- National prioritization
- Provide field input to program decisions
- Single point of responsibility/authority
- Prioritization, risk mitigation, and financial management
- Enable core processes

Key Expectations

Before ATB		With ATB
• Acquisitions separate from operations	➜	Acquisitions and operations combined
• Multiple sources for funding	➜	Single source for funding
• Low priority for infrastructure issues	➜	New advocate for infrastructure
• Multiple decision owners (dispersed accountability)	➜	Focused accountability
• Fragmented roles and responsibilities for terminal capabilities	➜	Centralized lifecycle support for terminal products
• Separate terminal product lines	➜	Combined terminal product lines
• Multiple contacts for terminal projects	➜	Single point of contact
• Buildings and structures separate from systems	➜	Buildings, structures, and systems combined in ATB
• Requirements from multiple organizations into various channels	➜	Coordinated and integrated prioritization of requirements

ATB in the Future

- Expect to add terminal surveillance products to the ATB organization, e.g., ASR-11, weather products, and surface movement systems

- Expect to add other appropriate terminal systems after the formation of the Air Traffic Organization (ATO)

ATB Functions

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                              Office of the Director
                                  ATB-1/2/3/4
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Human Resources and Administrative Management Staff ATB-10	Terminal Planning, Control and Integration Staff ATB-20	Terminal Transition and Implementation Support Staff ATB-30	Terminal Automation ATB-200	Terminal Facilities ATB-300	Terminal Surveillance ATB-400

- Workforce planning
- Facility management
- Labor-management relations
- Training
- Awards
- Personnel
- Work environment

- Develop strategies to reduce risk and improve performance
- Perform alternatives analysis
- Monitor overall technical, schedule, and financial performance

- Transition and implementation of ATB deliverables
- Support the Regional ATB managers

- Standard Terminal Automation Replacement System (STARS)
- Automated Radar Terminal System (ARTS)
- Common ARTS

- Facility designs and lifecycle management support for terminal structures and supporting systems (ATCT, TRACONs, HVAC, PWR)

- Planning for the Airport Surveillance Radar (ASR-11)

ATB-101	ATB-103	ATB-105	ATB-107	ATB-109

ATB-102	ATB-104	ATB-106	ATB-108

- Regional Workplans
  - Planning, integration, prioritization, execution
- National Workplan
  - Collect the information used to define the work plan
  - Reach agreement on Regional priorities
  - Participate in the definition of national priorities and work plan
  - Ensure the work plan can be executed
  - Execute the work plan
  - Provide operational support for business unit products

ATB-20	ATB-200/300	ATB-30	ATB-100s
Integrated Terminal Work Plan Process Owner	Provides national component to ITWP	Provides implementation considerations in development of ITWP	Provides regional component to ITWP
Provides guidance, templates, and design	Ensures horizontal equipment dependencies	Advocates regional requirements	Facilitates prioritization and validation at regional level
Advocates resources	Projects to enhance Terminal capabilities	Assures resources are provided for ITWP	Administers regional process for planning and execution
Administers process	Incorporates life-cycle requirements	Process owner for implementation	Tracks and reports accomplishments
Validates cost benefits	Assesses integrity of Terminal infrastructure	Oversees execution of ITWP	Executes the regional portion of ITWP
Establishes national priorities	Performs direct work IAW ITWP.	Integrates all projects, regions, sectors, and stakeholders	Integrates all aspects of work at site level
Oversees and maintains ITWP	Applies allocated resources	Provides ongoing validation of execute-ability of the ITWP	------
Assists in issue resolution	Assists in issue resolution	ATB focal for implementation issue resolution	Regional focal point for issue resolution and workarounds
Replanning	Participates in replanning	------	------
------	Provides second level support	------	------

Key Stakeholders
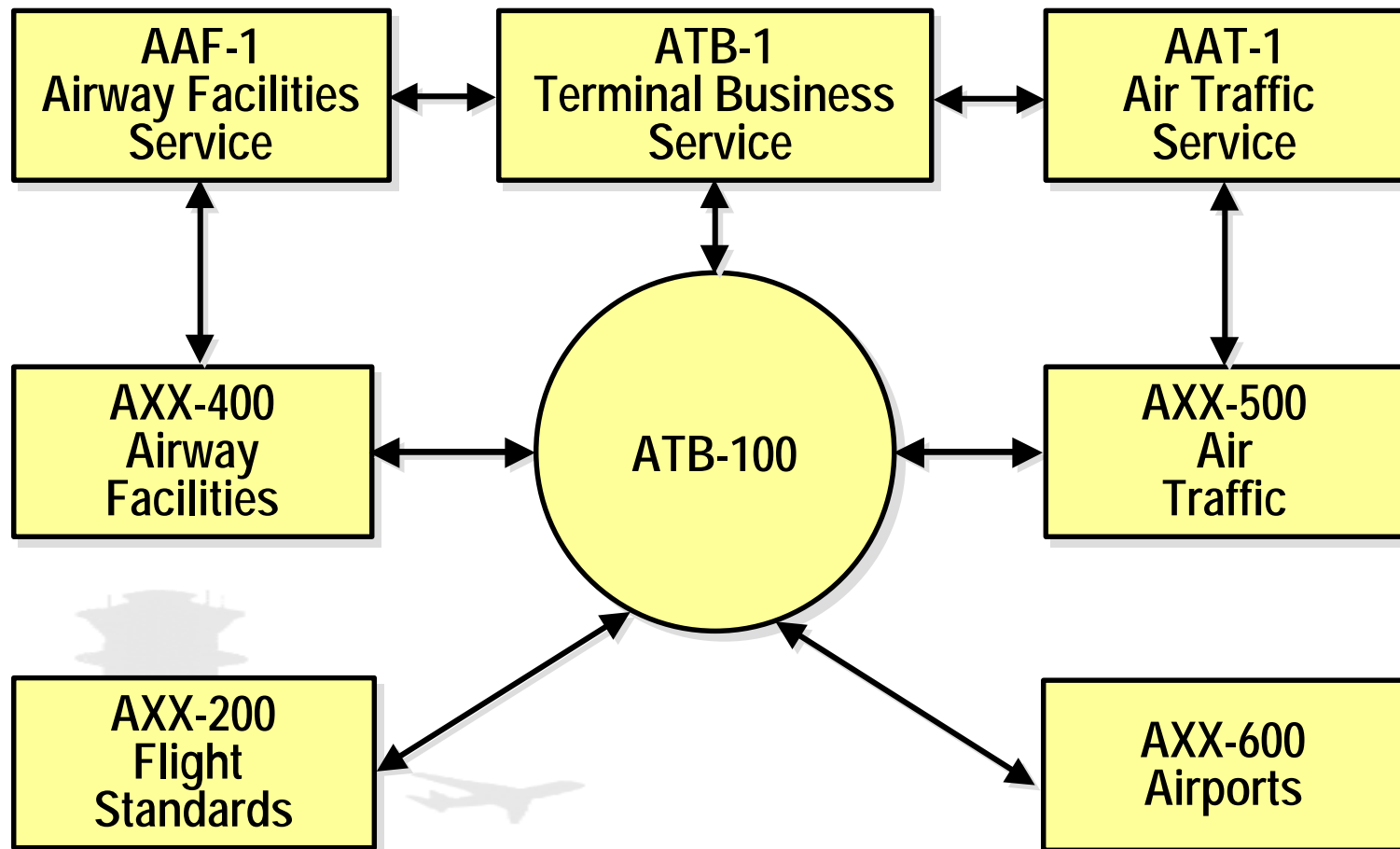
ATB-100s: Making It Work

"ATB-100's are in constant communication with each other.   They share issues that surface and are able to identify commonality among the issues.   The headquarters perspective they provide to the Region and Regional perspective they return to HQ helps to strategize and provide solutions in a more cost effective manner. "

Regional Presence: ATB-101-109

- Regional POCs
- Nine Terminal Business offices, one in each Region
- ATB-100s are fully integrated members of the ATB management team.
- Regional Administrators will

  - ■ Act as executive sponsor

  - ■ Actively support and facilitate the ATB-100 program manager

  - ■ Ensure horizontal integration between lines of business

Regional Presence

- The role of the ATB-100s will be to
  - Collect the information used to define the work plan
  - Reach agreement on Regional priorities
  - Participate in defining national priorities and the work plan
  - Ensure the work plan can be executed by the Region
  - Execute the work plan
  - Provide solutions to unprogrammed requirements
  - Provide second-level support for business unit products

Examples: Planning/Prioritization

- Prioritize FY02 Business Plan
- ASR-11 waterfall

Integrated Terminal Work Plan

ATB programs

STARS

ARTS IIIE

ARTS Color Display
(ACD)

Non-ATB programs

Navigation and Landing

Communications

Surveillance
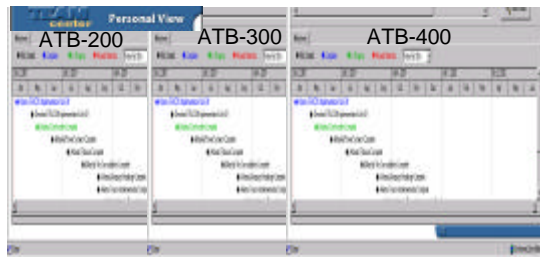
Weather

ITWP: Integration
& Planning

ITWP: Site
Prioritization

Site 1

Site 2

Site 3

Site 4

Site 5
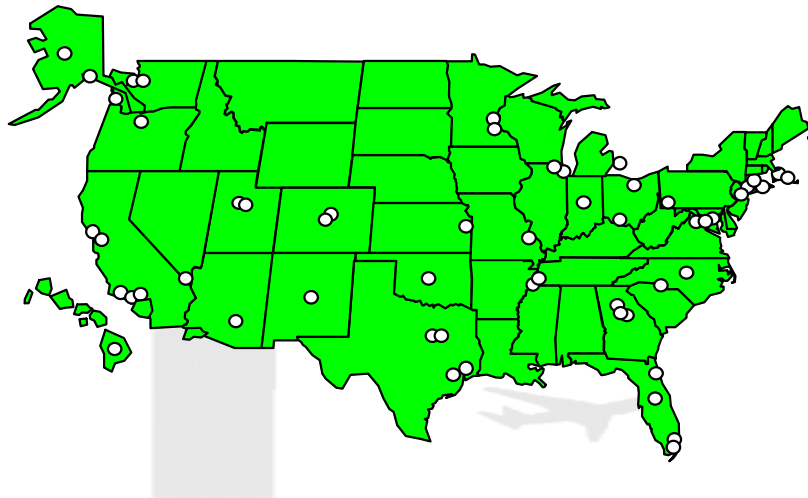
Schedule Integration: Example

HQ Sector Schedules

ATB-200   ATB-300   ATB-400

ANI Regional Schedules

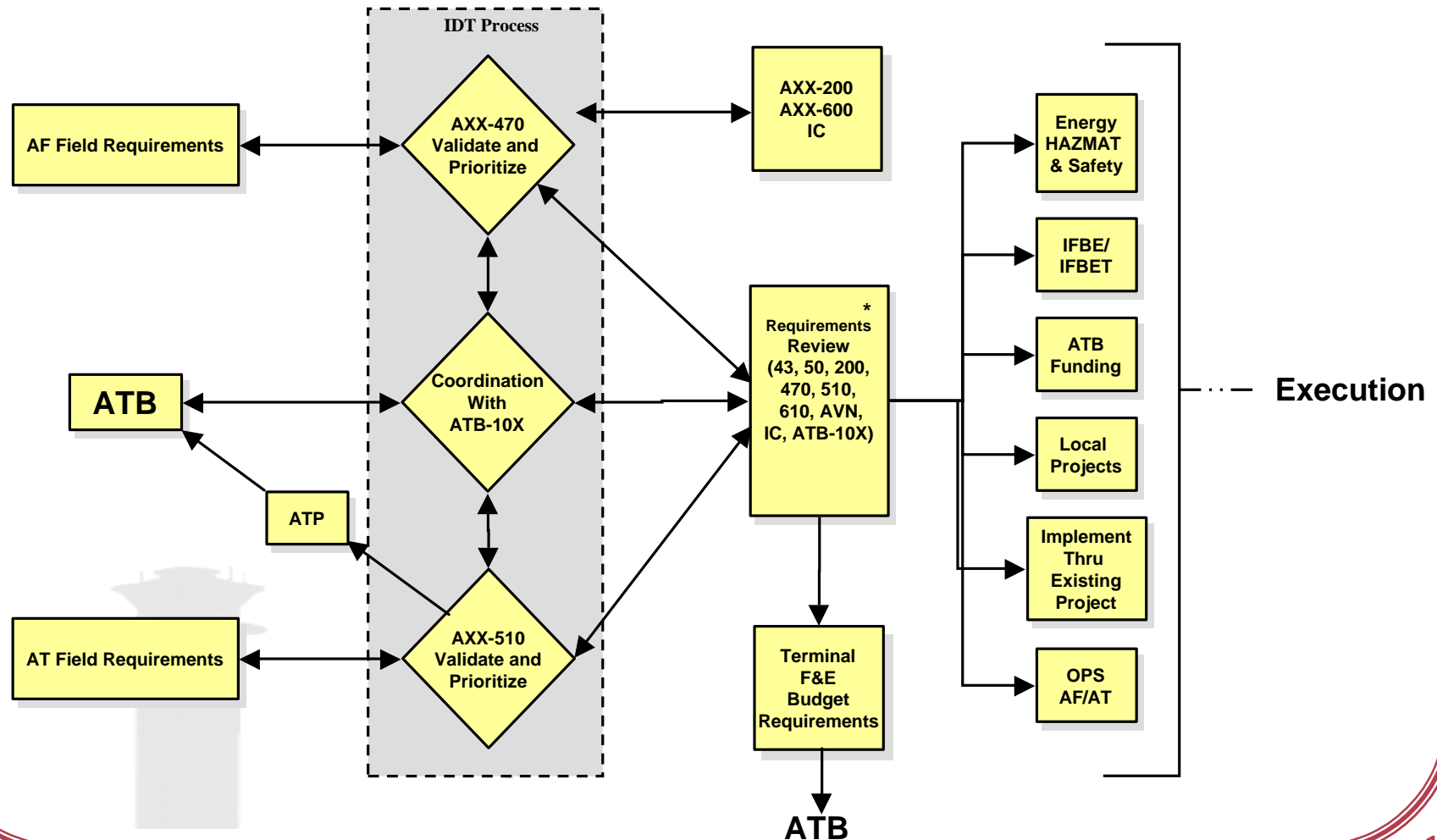**Convert to**

RTP Data

AEA

Albany

Buffalo

Atlantic City

Philadelphia
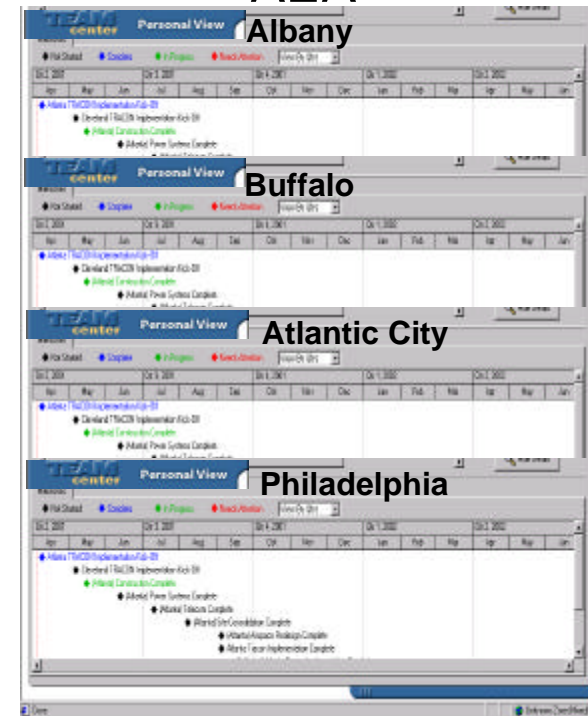
Terminal Regional Requirements Process

* National SOP (TBD)

SW N 2500.50

SO N 2500

Your Support

- Challenge in 2002 and 2003: the transition of systems that are not now national programs to ATB national-level management.

    - For example, Electronic Flight Strip Transfer Systems (EFSTS – 100 systems), Stand Alone Tower Display System (SATDS – 17 systems), Airport Resource Management Tool (ARMT)

STARS Mobile Demonstration Unit

A look at some of the equipment on display inside the van.

Jane Garvey offers welcoming remarks at the van's Washington, DC, kickoff. Tower display visible at left, at rear of van.

Coming soon to Central Region Early Display Configuration (EDC) sites at Omaha, and Des Moines!

ATB website:
www.faa.gov/ats/atb